

10-29-03

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Sheet 1 of 3	Application Number: To be assigned Filing Date: Herewith First Named Inventor: John Holland, et al. Group Art Unit: Unknown Examiner Name: Unknown Attorney Docket Number: 004590 D01
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U. S. PATENT DOCUMENTS

Examiner Initials	Document No	Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date
pt	US-3,573,840	04-06-1971	GOUILLOU ET AL.	343	895	12-09-1968
	US-4,795,529	01-03-1989	KAWASAKI ET AL.	156	643	10-19-1987
	US-4,842,683	06-27-1989	CHENG ET AL.	156	345	04-25-1988
	US-4,844,775	07-04-1989	KEEBLE	156	643	12-11-1987
	US-4,849,675	07-18-1989	MULLER	315	111.51	07-30-1987
	US-4,872,947	10-10-1989	WANG ET AL.	156	643	10-26-1988
	US-4,922,261	05-01-1990	O'FARRELL	343	742	02-06-1987
	US-4,948,458	08-14-1990	OGLE	156	643	08-14-1989
	US-4,992,665	02-12-1991	MOHL	250	423	11-10-1988
	US-5,122,251	06-16-1992	CAMPBELL ET AL.	204	298.06	02-04-1991
	US-5,194,731	03-16-1993	TURNER	250	281	07-23-1991
	US-5,277,751	01-11-1994	OGLE	156	643	06-18-1992
↓	US-5,280,154	01-18-1994	CUOMO ET AL.	219	121.52	01-30-1992

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Examiner Initials	Foreign Patent Document	Publication Date	Country	Name of Patentee or Applicant of Cited Document	Translation? (Yes/No/n/a)
pt	GB 2 231 197 A	07.11.90	UNITED KINGDOM	MERVYN DAVIS ET AL.	N/A
	EP 0 378 828 A2	25.07.90	EUROPE	ISAO ONA ET AL.	N/A
	EP 0 413 282 A3	20.02.91	EUROPE	JOHN OGLE	N/A
	EP 0 489 407 A2	10.06.92	EUROPE	KENNETH COLLINS	N/A
↓	EP 0 520 519 A1	30.12.92	EUROPE	KENNETH COLLINS ET AL.	N/A

Examiner Initials	NON PATENT LITERATURE DOCUMENTS

Examiner's Signature: P. Hassan zadeh

Date Considered: 7-7-04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

10-29-07

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Sheet 2 of 3	Application Number: To be assigned Filing Date: Herewith First Named Inventor: John Holland, et al. Group Art Unit: Unknown Examiner Name: Unknown Attorney Docket Number: 004590 D01
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pt	US-5,326,404	07-05-1994	SATO	118	723	12-18-1992
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	US-5,368,710	11-29-1994	CHEN ET AL.	204	192.32	03-29-1993
	US-5,401,350	03-08-1993	PATRICK ET AL.	156	345	03-08-1993
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	US-5,653,811	08-05-1997	CHAN	118	723	07-19-1995
	US-5,710,486	01-20-1998	YE ET AL.	315	111.21	05-08-1995
	US-5,718,795	02-17-1998	PLAVIDAL ET AL.	156	345	08-21-1995
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	EP 0 602 764 A1	22.06.94	EUROPE	JAMES HORNSBY ET AL.	N/A
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	EP 0 727 807 A1	21.08.96	EUROPE	HIROJI HANAWA ET AL.	N/A
	EP 0 727 923 A1	21.08.96	EUROPE	HIROJI HANAWA	N/A
▼	EP 0 756 309 A1	29.01.97	EUROPE	KENNETH COLLINS ET AL.	N/A

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Non Patent Literature Documents

Examiner's Signature: P. Hassanزاده

Date Considered: 7-7-04

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Sheet 3 of 3		

U. S. PATENT DOCUMENTS						
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pt	US-6,023,251	02-08-2000	KOO ET AL.	343	700	10-20-1998
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	WO 92/20833	26.11.92	WIPO	MARK WEISE ET AL.	N/A

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2-13-04



Supt. For, PTO-1449 INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary)				Docket Number 110313-185US3	Application Number 10/697,893
				Applicant Clapham et al.	
Sheet 1		OF 1	Int'l. Filing Date May 3, 2002		Group Art Unit To Be Assigned

U.S. Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

Foreign Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)		
A		Arnoult, et al., "Activation of mouse sperm T-type Ca ²⁺ channels by adhesion to the egg zona pellucida," Proc. Natl. Acad. Sci. USA, Vol. 93, pp. 13004-13009.
B		Bedford, J.M., "Mammalian Fertilization Misread? Sperm Penetration of the Eutherian Zona Pellucida Is Unlikely to be a Lytic Event," Biology of Reproduction, Vol. 59, pp. 1275-1287.
C		Darszon, et al., "Ion Channels in Sperm Physiology," Physiological Reviews, Vol. 79, No. 2, April 1999, pp. 481-510.
D		Hyne and Garbers, "Calcium-dependent increase in adenosine 3', 5'-monophosphate and induction of the acrosome reaction in guinea pig spermatozoa," Proc. Natl. Acad. Sci. USA, Vol. 76, No. 11, pp. 5699-5703.
E		Jungnickel, et al., "Trp2 regulates entry of Ca ²⁺ into mouse sperm triggered by egg ZP3," Nature Cell Biology, Vol. 3, May 2001, pp. 499-502.
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M		Weyand, et al., "Cloning and functional expression of a cyclic nucleotide-gated channel from mammalian sperm," Nature, Vol. 368, pp. 859-863, April 28 1994.
N		Wennemuth, et al., "Cav2.2 and Cav2.3 (N- and R-type) Ca ²⁺ Channels in Depolarization-evoked Entry of Ca ²⁺ into Mouse Sperm," The Journal of Biological Chemistry, Vol. 275, No. 28, pp. 21210-21217, 2000.
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P		Yanagimachi, R. "Mammalian Fertilization," The Physiology of Reproduction, Second Edition, eds. Knobil and Neill, pp. 189-317, 1994.

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Non-related to 10/697,893